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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8262-2 (1976): Specification for Quick release couplings
for vacuum pipe lines, Part 2: Clamped type [MED 17:
Chemical Engineering Plants and Related Equipment]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard



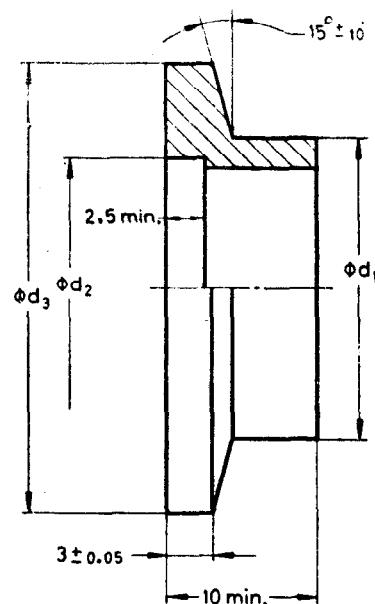
**SPECIFICATION FOR
QUICK-RELEASE COUPLINGS FOR VACUUM PIPELINES
PART II CLAMPED TYPE**

1. Scope — Specifies the dimensions of quick-release couplings of clamped type as well as those of the 'O' rings and their carriers which are associated with these tailpieces to ensure coupling tightness. General information on the assembly of the coupling is given in Appendix A.

1.1 The dimensions for the coupling diameter ensure interchangeability of this quick-release coupling with vacuum flanges conforming to IS : 6076-1967 'Dimensions for vacuum flanges'.

2. Dimensions

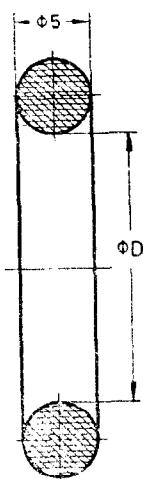
2.1 Coupling



All dimensions in millimetres.

Nominal Bore	d_1 Max	d_1 $+0.2$ 0	d_3 $h11$
10	14	12.2	30
16	20	17.2	30
25	28	26.2	40
40	44.5	41.2	55

2.2 Elastomer 'O' Ring

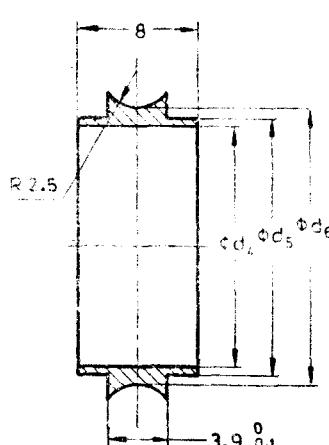


All dimensions in millimetres.

Nominal Bore	D
10	15
16	18
25	28
40	42*

*Alternatively an 'O' ring of section 5·33 mm and diameter D of 40·65 mm should be used.

2.3 Elastomer 'O' Ring Carrier



All dimensions in millimetres.

Nominal Bore	d_4 Max	d_5 0 -0.1	d_6 0 -0.1
10	10	12	15.3
16	16	17	18.5
25	25	26	28.5
40	40	41	43

3. Designation — A coupling of nominal bore 10 shall be designated as:
Coupling 10 IS : 8262

4. Marking — Manufacturer's name or trade-mark, size, year of manufacture.

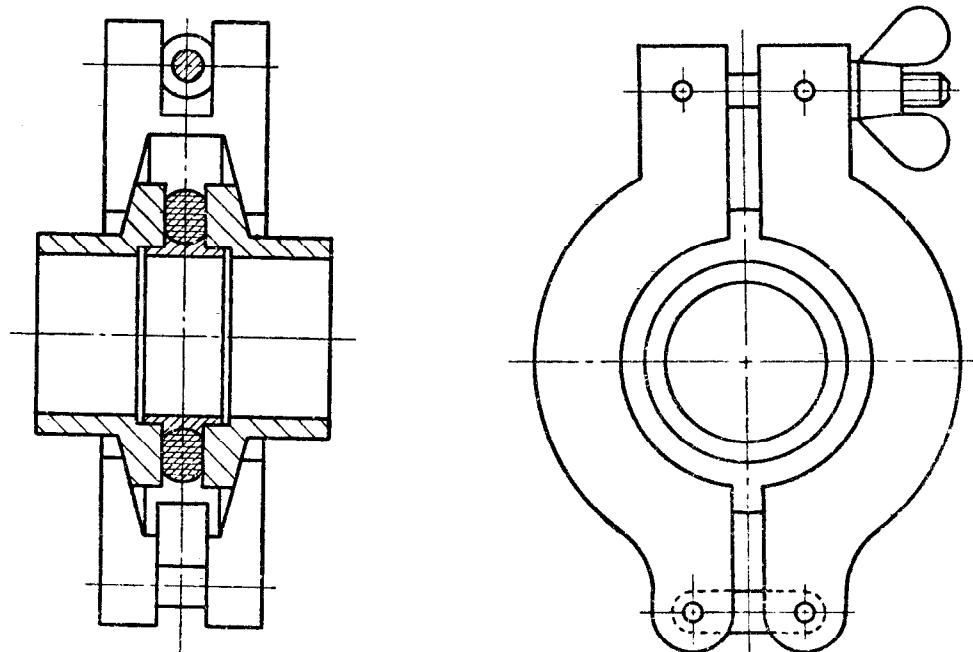
4.1 ISI Certification Marking — Details available with the Indian Standards Institution.

APPENDIX A

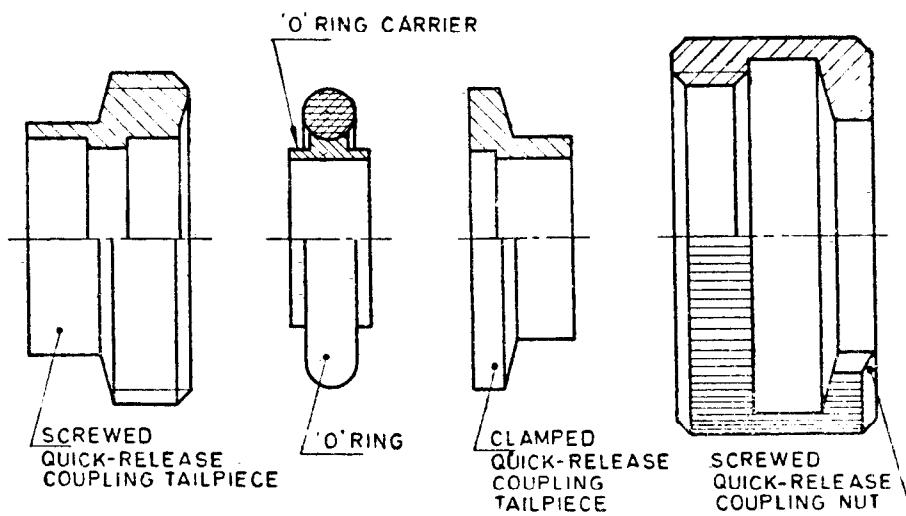
(Clause 1)

ASSEMBLY OF CLAMPED AND QUICK-RELEASE COUPLINGS

A-1. Clamped Quick-Release Coupling — The assembly of clamped quick-release coupling is shown below:



A-2. Screwed-To-Clamped Quick-Release Couplings — The 'clamped quick-release coupling tailpiece is interchangeable with the screwed quick-release coupling conforming to IS:8262 (Part I)-1976 'Specification for quick-release couplings for vacuum pipelines: Part I Screwed type' as shown below:

**EXPLANATORY NOTE**

This standard (Part II) is based on ISO 2861/1 'Vacuum technology—Quick-release couplings—Dimensions: Part I Clamped type', issued by the International Organization for Standardization.